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March 22, 2005

**MAIL STOP PCT**

Commissioner for Patents  
P.O. BOX 1450  
Alexandria, VA 22313-1450

PCT/JP2004/011418  
-filed August 3, 2004

Re: Application of Takashi YAMADA, Shigenori SEKINE, Toshikazu YANADA  
and Motomi OSHIKA  
RADIATION DETECTOR  
**Assignee: NIHON KESSHO KOGAKU CO., LTD.**  
Our Ref: Q86732

Dear Sir:

The following documents and fees are submitted herewith in connection with the above application for the purpose of entering the National stage under 35 U.S.C. §371 and in accordance with the Patent Cooperation Treaty:

- ☒ a copy of the executed Declaration and Power of Attorney.
- ☒ an English translation of the International Application.
- ☒ ten (10) sheets of drawings (figs. 1-11).
- ☒ Notification Concerning Submission or Transmittal of Priority Document.
- ☒ a copy of the executed Assignment and PTO 1595 form.
- ☒ an Information Disclosure Statement, an International Search Report, a PTO/SB/08 A & B (modified) listing the ISR references and a copy of each reference cited in the ISR.
- ☒ a Preliminary Amendment.
- ☒ **it is expressly requested that the national stage of processing be commenced immediately in accordance with 35 U.S.C. § 371(f)**

In addition to the documents submitted herewith, it is assumed that copies of the International Application, the International Search Report and cited references, the International Preliminary Examination Report, and any Articles 19 and 34 amendments as required by §371(c) will be supplied directly by the International Bureau, but if further copies are needed, the undersigned will undertake to provide them upon request.

**Sughrue**

SUGHRUE MION, PLLC

National Stage Entry of PCT/JP2004/011418

Attorney Docket No.: Q86732

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The Government filing fee after consideration of the Preliminary Amendment is calculated as follows:

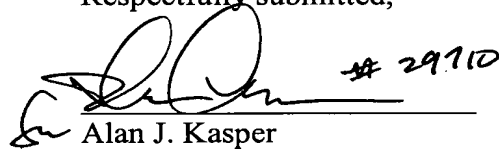
|                                  |          |   |    |   |                   |   |          |   |                   |                 |
|----------------------------------|----------|---|----|---|-------------------|---|----------|---|-------------------|-----------------|
| Total claims                     | <u>9</u> | - | 20 | = | <u>          </u> | x | \$50.00  | = | <u>          </u> | \$0.00          |
| Independent claims               | <u>1</u> | - | 3  | = | <u>          </u> | x | \$200.00 | = | <u>          </u> | \$0.00          |
| Base Fee                         |          |   |    |   |                   |   |          |   |                   | <u>\$300.00</u> |
| Search Fee                       |          |   |    |   |                   |   |          |   |                   | <u>\$400.00</u> |
| Examination Fee                  |          |   |    |   |                   |   |          |   |                   | <u>\$200.00</u> |
| <b>TOTAL FILING FEE</b>          |          |   |    |   |                   |   |          |   |                   | <u>\$900.00</u> |
| <b>Recordation of Assignment</b> |          |   |    |   |                   |   |          |   |                   | <u>\$ 40.00</u> |
| <b><u>TOTAL FEE</u></b>          |          |   |    |   |                   |   |          |   |                   | <u>\$940.00</u> |

Checks for the statutory filing fee of \$900.00 and Assignment recordation fee of \$40.00 are attached. The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this transmittal letter is attached.

Priority is claimed from:

| <u>Country</u> | <u>Application No</u> | <u>Filing Date</u> |
|----------------|-----------------------|--------------------|
| Japan          | 2003-425156           | December 22, 2003  |

Respectfully submitted,

 # 29710  
 Alan J. Kasper  
 Registration No. 25,426

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Date: March 22, 2005